



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

MARGARET WOOLDRIDGE ET AL.

Group Art Unit: 1742

Examiner: Unknown

Serial No.: 10/620,585

Filed: July 16, 2003

For: GAS PHASE SYNTHESIS OF NANOPARTICLES IN A  
MULTI-ELEMENT DIFFUSION FLAME BURNER

Attorney Docket No.: UOM 0273 PUSP

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
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Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and § 1.97-1.98, the references listed and identified on the attached Forms PTO/SB08A and/or SB08B are being submitted herewith for consideration by the Examiner.

While this Statement is being filed in compliance with the duty of disclosure, citation of the attached references is not to be construed as an admission that any of the reference(s) are "material" as defined under 37 C.F.R. § 1.56(b).

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8**

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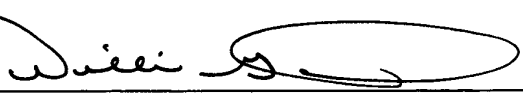
William G. Conger  
Name of Person Signing

  
Signature

If the filing date of this application is on or before June 30, 2003, a copy of each reference listed on the attached Forms PTO/SB08A and/or SB08B is included herewith. If this application was filed after June 30, 2003, copies of any cited U.S. patent/application references have not been included. Consideration and entry into the record of these references is respectfully requested.

Respectfully submitted,

**MARGARET WOOLDRIDGE ET AL.**

By: 

William G. Conger

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Attorney/Agent for Applicant

Date: March 10, 2004

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<b>Substitute for Form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/620,585	
			Filing Date	July 16, 2003	
			First Named Inventor	WOOLDRIDGE ET AL.	
			Group Art Unit	1742	
			Examiner Name	Unknown	
Sheet	1	of	2	Attorney Docket Number	UOM 0273 PUSP

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
		K. Brezinsky, "Gas Phase Combustion Synthesis of Materials," TWENTY-SIXTH SYMPOSIUM (INTERNATIONAL) ON COMBUSTION, THE COMBUSTION INSTITUTE, pp. 1805-1816 (1996)		
		S.E. Pratsinis, "Flame Aerosol Synthesis of Ceramic Powder," PROG. ENERGY COMBUST. SCI., v. 24, pp. 197-219 (1988)		
		M.W. Woolridge, "Gas Phase Combustion Synthesis of Particles," PROG. ENERGY COMBUST. SCI., v. 24, pp. 63-87, 1998, page 64		
		P.V. Torek et al., "H <sub>2</sub> O Absorption Spectroscopy for Determination of Temperature and H <sub>2</sub> O Concentration in High-Temperature Particle Synthesis Systems," Appl. Optics., 41, pp. 2274-2284		
		P.V. Torek et al., "Characterization of a Multi-Element Diffusion Burner for Combustion Synthesis Studies, In Fundamental Gas-Phase and Surface Chemistry of Vapor Phase Deposition II," Swihart, Allendorf, Meyyappan and Seal Eds., THE ELECTROCHEMICAL SOCIETY, INC., ECS Proceedings, Vol. 2001-13, pp. 213-220		
		Glassman et al., "A Gas-Phase Combustion Synthesis for Non-Oxide Ceramics," 24TH SYMP (INT.), COMBUSTION, pp. 1877-1882		
		Gerhold et al., "Nonoxide Ceramic Powder Synthesis," COMBUSTION AND FLAME, THE JOURNAL OF THE COMBUSTION INSTITUTE, Vol. 100, No. 1/2, January 1995, pp. 144-152		
		Hurd et al., "In Situ Growth and Structure of Fractal Silica Aggregates in a Flame," JOURNAL OF COLLOID AND INTERFACE SCIENCE, Vol. 122, No. 1, March 1988, pp. 178-192		
		Calcote et al., "A New Flame Process for Synthesis of Si <sub>3</sub> N <sub>4</sub> Powders for Advanced Ceramics," TWENTY-THIRD SYMPOSIUM (INTERNATIONAL) ON COMBUSTION, THE COMBUSTION INSTITUTE, 1990, pp. 1739-1744		
		Hall et al., "Gas-Phase Combustion Synthesis of Tin Oxide Nanoparticles," MATERIALS SCIENCE FORUM, Vols. 386-388 (2002), pp. 347-352		

<b>Examiner Signature</b>		<b>Date Considered</b>	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.



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Sheet

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of

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**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Wooldridge et al., "An Experimental Investigation of Gas-Phase Combustion Synthesis of SiO <sub>2</sub> Nanoparticles Using a Multi-Element Diffusion Flame Burner," COMBUSTION AND FLAME, 131:98-109 (2002)	

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Signature****Date  
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